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ABSTRACT OF THE DISCLOSURE

*[Signature]*  
Determining a substance to be measured in a liquid sample by measuring the degree of coloring obtained when the substance is subjected to coloring reaction in terms of reflectance. Polymer beads embedding light reflective particles are contained in a reagent layer of the dry measuring test device, or a light blocking layer containing light blocking particles, preferably polymer beads embedding the light blocking particles, is laminated on the reagent layer of the dry measuring test device. The reagent layer comprises a reagent containing a chromogen and a matrix which retains the reagent in the form of a layer, for determining the substance to be measured in the liquid sample by measuring the degree of coloring of the chromogen generated through the reaction between the substance and the reagent in terms of reflectance of light entered into the reagent layer. Speedy and highly accurate measurement is obtained in shortening measuring time by measuring reflectance corresponding to a low degree of coloring or by reducing influence of solid matter contained in the liquid sample on absorption and scattering of the measuring light and influence of external stray light entered from the opposite side of the surface of the light measuring part.